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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A compound of formula (1), or a pharmaceutically acceptable salt; solvate or in vivo hydrolysable ester thereof:

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wherein R^1 is a group selected from $C_{3\text{-7}}$ carbocyclyl, $C_{1\text{-8}}$ alkyl, $C_{2\text{-6}}$ alkenyl and $C_{2\text{-6}}$ alkynyl; wherein the group is optionally substituted by 1, 2 or 3 substituents independently selected from fluoro, nitrile, $-OR^4$, $-NR^5R^6$, $-CONR^5R^6$, $-COOR^7$, $-NR^8COR^9$, $-SC_1R^{10}$, $-SO_2R^{10}$, -

wherein R^2 is $C_{3.7}$ carbocyclyl, optionally substituted by 1, 2 or 3 substituents independently selected from:

(a) fluoro, -OR⁴, -NR⁵R⁶ -CONR⁵R⁶, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂NR⁵R⁶, -NR⁸SO₃R⁹:

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(b) a 3-8 membered ring optionally containing 1, 2 or 3 atoms selected from O, S, -NR⁸ and whereby the ring is optionally substituted by C₁₋₃alkyl or fluoro; or

(c) phenyl or heteroaryl, each of which is optionally substituted by 1, 2 or 3 substituents independently selected from halo, cyano, nitro, $-OR^4$, $-NR^5R^6$, $-CONR^5R^6$, $-NR^8COR^9$, $-SO_2NR^5R^6$, $-NR^8SO_2R^9$, $C_{1,6}$ alkyl and trifluoromethyl;

wherein R3 is hydrogen or independently R2;

 R^4 is hydrogen or a group selected from $C_{1\text{-o}}$ alkyl and phenyl, wherein the group is optionally substituted by 1 or 2 substituents independently selected from halo, phenyl, -OR¹¹ and -NR¹²R¹³;

 R^5 and R^6 are independently hydrogen or a group selected from C_{1-6} alkyl and phenyl wherein the group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, phenyl, $-OR^{14}$, $-RR^{15}R^{16}$, $-COOR^{14}$, $-COOR^{15}R^{16}$, $-NR^{15}COR^{16}$, $-SO2R^{10}$, $-SONR^{15}R^{16}$ and $NR^{15}SO_2R^{16}$ or

R⁵ and R⁶ together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring system optionally containing a further heteroatom selected from oxygen and nitrogen atoms, which ring is optionally substituted by 1, 2 or 3 substituents independently selected from phenyl, -OR¹⁴, -COOR¹⁴, -NR¹⁵R¹⁶, -CONR¹⁵R¹⁶, -NR¹⁵COR¹⁶, -SO2R¹⁰, -SONR¹⁵R¹⁶, NR¹⁵SO₂R¹⁶ or C₁-6alkyl (optionally substituted by 1 or 2 substituents independently selected from halo, -NR¹⁵R¹⁶ and -OR¹⁷ groups);

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 R^{10} is hydrogen or a group selected from $C_{1\text{-6}}$ alkyl or phenyl, wherein the group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, phenyl, $-OR^{17}$ and $-NR^{15}R^{16}$; and

each of R^7 , R^8 , R^9 , R^{11} , R^{12} , R^{13} , R^{14} R^{15} , R^{16} , R^{17} is independently hydrogen, $C_{1\text{-6}}$ alkyl or phenyl;

X is hydrogen, halo, cyano, nitro, hydroxy, C_{1-6} alkoxy (optionally substituted by 1 or 2 substituents selected from halo, $-OR^{11}$ and $-NR^{12}R^{13}$), $-NR^5R^6$, $-COOR^7$, $-NR^8COR^9$, thio, C_{1-6} alkylthio (optionally substituted by 1 or 2 substituents selected from halo, $-OR^{17}$, $-NR^1S_R^{16}$), $-SO_2R^{10}$ or a group selected from C_{2-7} carbocyclyl, C_{1-8} alkyl, C_{2-6} alkenyl or C_{2-6} alkynyl, wherein the group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, $-OR^4$, $-NR^5R^6$, $-COOR^5R^6$, $-COOR^7$, $-NR^8COR^9$, $-SR^{10}$, $-SO_2R^{10}$, $-SO_2R^{18}$ 6 and $-NR^8SO_2R^9$;

 R^x is trifluoromethyl, -NR $^2R^6$, phenyl, napthyl, monocyclic or bicyclic heteroaryl wherein a heteroring may be partially or fully saturated and one or more ring carbon atoms may form a carbonyl group, and wherein each phenyl or heteroaryl group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, cyano, nitro, -OR 4 , -NR $^5R^6$, -CONR $^5R^6$, -COR 7 , -NR $^8COR^9$, -SR 10 , -SO2R 10 , -SO2NR $^5R^6$, -NR $^8SO2R^9$, C1.6alkyl or trifluoromethyl; or R x is a group selected from C3.7carbocyclyl, C1.8alkyl, C2.6alkenyl and C2.6alkynyl whereby the group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, -OR 4 , -NR $^5R^6$, -CONR $^5R^6$, -COR 7 , -COOR 7 , -NR $^8SO2R^9$, -SR 10 , -SO2R 10 , -SO2NR $^5R^6$, -NR $^8SO2R^9$, phenyl or heteroaryl; and wherein each phenyl or heteroaryl group is optionally substituted by 1, 2 or 3 substituents independently selected from halo, cyano, nitro, -OR 4 , -NR $^5R^6$, -CONR $^5R^6$, -COR 7 , -COOR 7 , -NR $^8COR^9$, -SR 10 , -SO2R 10 , -SO2NR $^5R^6$, -NR $^8SO2R^9$, C1.6alkyl or trifluoromethyl;

or R^x and X together form a 4 to 8-membered sulfonamide ring optionally substituted by 1, 2 or 3 substituents independently selected from halo, -OR⁴, -NR⁵R⁶, -CONR⁵R⁶, -COOR⁷, -NR⁸COR⁹, -SR¹⁰, -SO₂R¹⁰, -SO₂R¹⁰, -SO₂R¹⁰, -NR⁸SO₂R⁹, phenyl or heteroaryl; wherein phenyl and

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heteroaryl are optionally substituted by 1, 2 or 3 substituents independently selected from halo, cyano, nitro, $-OR^4$, $-NR^5R^6$, $-CONR^5R^6$, $-COOR^7$, $-NR^8COR^9$, $-SR^{10}$, $-SO_2R^{10}$, $-SO_2NR^5R^6$, $-NR^8SO_2R^9$, $C_{1:6}$ alkyl and trifluoromethyl.

- 2. (Currently amended) A compound, or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof according to claim 1 wherein R^2 is $C_{1.8}$ alkyl optionally substituted by 1 or 2 hydroxy substituents.
- (Currently amended) A compound, or a pharmaceutically acceptable salt, solvate or in
 vivo hydrolysable ester thereof according to claim 1 wherein R¹ is benzyl optionally substituted
 by 1, 2 or 3 substituents independently selected from fluoro, chloro, bromo, methoxy, methyl and
 trifluoromethyl.
- (Currently amended) A compound; or a pharmaceutically acceptable salt; solvate or in vivo hydrolysable ester thereof according to claim 1 wherein R³ is hydrogen.
- (Currently amended) A compound, or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof according to claim 1 wherein X is hydrogen.
- 6. (Currently amended) A compound, or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof according to claim 1 wherein R^x is methyl, 1-methylimidazolyl, 1,2-dimethylimidazolyl, N,N-dimethylamino, azetidinyl, pyrolidinyl, morpholinyl and piperidinyl.
- 7. (Currently amended) A compound selected from the group consisting of: that is

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 $N-(2-[(3-\text{Chloro-}2-\text{fluorobenzyl})\text{thio}]-6-\{[(1R)-2-\text{hydroxy-}1-\text{methylethyl}]\text{amino}\}-\text{pyrimidin-}4-y])$ methanesulfonamide.—and or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof.

- 8. (Cancelled)
- 9. (Currently amended) A method for the treatment of asthma, allergic rhinitis, COPD, inflammatory bowel disease, osteoarthritis, osteoporosis, rheumatoid arthritis, or psoriasis comprising administering a compound; or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof according to claim 1.
- 10. (Currently amended) A method for the treatment of cancer comprising administering a compound; or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof according to claim 1.
- 11. (Currently amended) A method for the treatment of a human disease or condition in which modulation of chemokine receptor activity is beneficial comprising administering a compound, or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof, according to claim 1.
- 12-13. (Cancelled)
- 14. (Currently amended) A pharmaceutical composition comprising a compound, or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof according to claim 1; and a pharmaceutically-acceptable diluent or carrier.
- 15. (Currently amended) A process for the preparation of a compound according to claim 1 comprising the steps of:

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a) treating a compound of formula (2):

wherein R^1 , R^2 , R^3 and X are as defined in claim 1, with sulfonyl chlorides (R^xSO_2CI where R^x is as defined in claim 1;

or

b) treating a compound of formula (7):

wherein R^1 , R^x and X are as defined in claim 1, L is a halogen and Y is either hydrogen or a protecting group with nucleophilic amines of the type NR^2R^3 as defined in claim 1 in the presence or absence of a suitable base and solvent;

or

c) treating a compound of formula (8):

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wherein R^1 , R^x and X are as defined in claim 1 and L is halogen, with sulfonamides of formula $R^xSO_2NH_2$ where R^x is as defined in claim 1 except NR^5R^6 in the presence of a suitable base and solvent.

and

independently for each of process variants a), b) or c), optionally thereafter (i), (ii), (iii), (iv) or (v) in any order:

- i) removing any protecting groups;
- ii) converting the compound of formula (1) into a further compound of formula (1)
- iii) forming a salt
- iv) forming a prodrug
- v) forming an in vivo hydrolysable ester.
- 16. (Currently amended) A combination therapy which comprises administering a compound of formula (1) as defined in claim 1 or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof, or a pharmaceutical composition or formulation comprising a compound of formula (1) as defined in claim 1, concurrently or sequentially with other therapy and/or another pharmaceutical agent.
- 17. (Previously presented) A combination therapy as claimed in claim 16 wherein the amount of the compound in the composition is effective for treating asthma, allergic rhinitis, COPD, inflammatory bowel disease, irritable bowel syndrome, osteoarthritis, osteoporosis, rheumatoid arthritis, or psoriasis.
- 18. (Previously presented) A combination therapy as claimed in claim 16 wherein the amount of the compound in the composition is effective for treating cancer.

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19. (Currently amended) A pharmaceutical composition which comprises a compound of formula (1) as defined in claim 1 or a pharmaceutically acceptable salt, solvate or in vivo hydrolysable ester thereof, in conjunction with another pharmaceutical agent.

- 20. (Previously presented) A pharmaceutical composition as claimed in claim 19 wherein the amount of the compound in the composition is effective for treating asthma, allergic rhinitis, COPD, inflammatory bowel disease, irritable bowel syndrome, osteoarthritis, osteoporosis, rheumatoid arthritis, or psoriasis.
- 21. (Previously presented) A pharmaceutical composition as claimed in claim 19 wherein the amount of the compound in the composition is effective for treating cancer.
- (New) A compound that is N-[2-[(3-Chloro-2-fluorobenzyl)thio]-6-[(2-hydroxy-1-methylethyl)amino]-4-pyrimidinyl]-4-morpholinesulfonamide or a pharmaceutically acceptable salt thereof.
- (New) A compound that is N-[2-[[(3-Chloro-2-fluorophenyl)methyl]thio]-6-[(2-hydroxy-1-methylethyl)amino]-4-pyrimidinyl]-1,2-dimethyl-1H-imidazole-4-sulfonamide or a pharmaceutically acceptable salt thereof.
- (New) A compound that is_N-(2-[(2,3-Difluorobenzyl)thio]-6-{[(1R)-2-hydroxy-1-methylethyl]amino}pyrimidin-4-yl)piperidine-1-sulfonamide or a pharmaceutically acceptable salt thereof.
- (New) A compound that is N-(2-[(2,3-Difluorobenzyl)thio]-6-{[(1R)-2-hydroxy-1-methylethyl]amino}pyrimidin-4-yl)pyrrolidine-1-sulfonamide or a pharmaceutically acceptable salt thereof.

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(New) A compound that is N-(2-[{2,3-Difluorobenzyl)thio}-6-{[(1R)-2-hydroxy-1-methylethyl]amino} pyrimidin-4-yl)azetidine-1-sulfonamide or a pharmaceutically acceptable salt thereof.

- 27. (New) A compound that is_N-{6-{[(1R)-2-Hydroxy-1-methylethyl]amino}-2-[(2,3,4-trifluorobenzyl)thio]-pyrimidin-4-yl}morpholine-4-sulfonamide or a pharmaceutically acceptable salt thereof.
- 28. (New) A compound that is_N-{2-[(2,3-Difluorobenzyl)thio]-6-{[(1R)-2-hydroxy-1-methylethyl]amino}pyrimidin-4-yl)morpholine-4-sulfonamide or a pharmaceutically acceptable salt thereof.
- (New) A compound that is N-(2-[(3-Chloro-2-fluorobenzyl)thio]-6-{[(1R)-2-hydroxy-1-methylethyl]amino}-pyrimidin-4-yl)azetidine-1-sulfonamide or a pharmaceutically acceptable salt thereof.
- (New) A compound that is N-{6-{[(IR)-2-Hydroxy-1-methylethyl]amino}-2-[(2,3,4-trifluorobenzyl)thio]-pyrimidin-4-yl} azetidine-1-sulfonamide or a pharmaceutically acceptable salt thereof.
- (New) A compound that is N-(2-[(3-Chloro-2-fluorobenzyl)thio]-6-{[(1R)-2-hydroxy-1-methylethyl]amino}-pyrimidin-4-yl)-N,N-dimethylsulfamide or a pharmaceutically acceptable salt thereof.
- (New) A compound that is N-[2-[[(3-Chloro-2-fluorophenyl)methyl]thio]-6-[(R) -(2-hydroxy-1-methylethyl)amino]-4-pyrimidinyl]-1-methyl-1H-imidazole-4-sulfonamide or a pharmaceutically acceptable salt thereof.